



Collaborative Corporate Knowledge

Presented by:
**James Montalvo & Daren
Welsh**

IMOC

November, 2015

www.sgt-inc.com



NASAWiki

Empowering employees to easily find the data they need with confidence that it is correct

Business Problem



- Directory trees are difficult to search
- Multiple copies and versions of documents
- Which one do I trust?
- Do I have to update all of them?
- Files are easily moved or **deleted**





The Wiki Way

- **Search**, don't sort
- Search **content**, not just file names
- A **single** portal for information
- **Integration** with existing databases
- **Automated** revision control
- **Semantic** linking





Pistol Grip Tool (PGT)

Part #: ABC12345

Mass: 10.6 lbs.

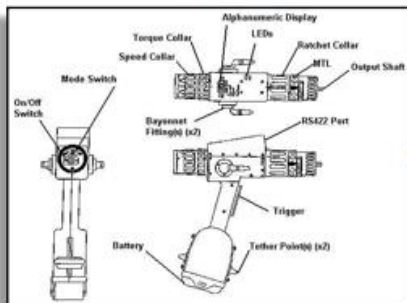
Length: 15 in.

Width: 5.3 in.

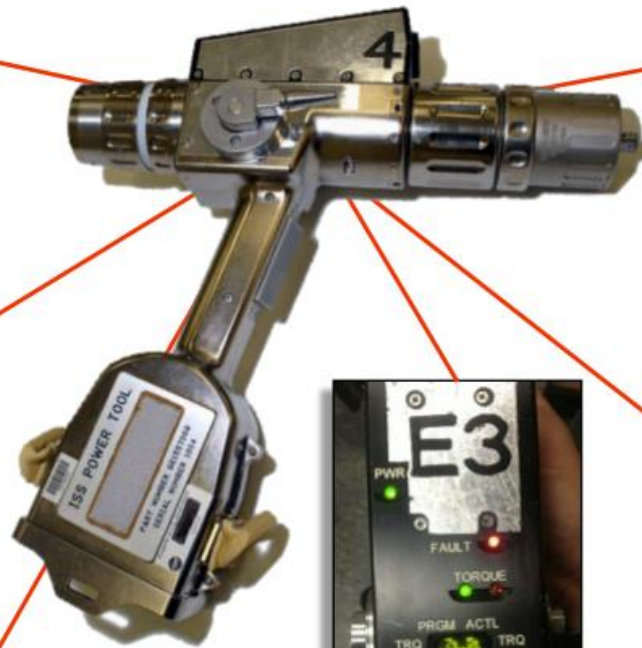
Height: 14 in.

Setting	Torque Setpoint (ft-lb)	Torque Window (ft-lb)	Torque Threshold (ft-lb)	Turns
A1	2.5	±1.0	1.0	—
A2	3.0	±1.0	1.0	—
A3	4.0	±1.0	1.0	—
A4	6.0	±1.0	1.0	—
A6	7.0	±1.0	1.0	—
A6	8.0	±1.0	1.0	—
A7	9.0	±1.0	1.0	—
B1	12.0	±1.0	1.0	—
B2	16.0	±1.2	1.0	—
B3	18.0	±1.7	1.0	—
B4	19.0	±1.0	1.0	—
B5	20.0	±2.0	1.0	—
B6	24.0	±2.0	1.0	—
B7	25.0	±2.0	1.0	—

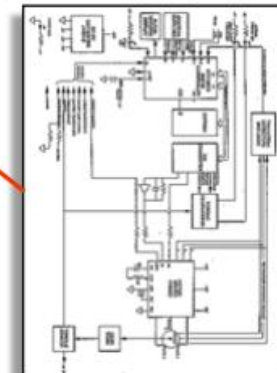
TORQUE DATA



DRAWINGS



SOCKETS



SCHEMATICS



ANOMALIES

EVA Ratchet Wrench

The EVA ratchet wrench is a 3/8" ratchet drive wrench compatible with the drop proof tether system.

Contents [hide]

- 1 Features
- 2 Usage
- 3 Limit Loads Per (GCAR 2081 Rev C)
- 4 Anomalies
- 5 References

Features [\[edit\]](#)

The ratchet rotates 360 degrees in both clockwise and counter-clockwise directions. The direction is changed by rotating the collar located below the palm wheel. The palm wheel provides an alternative hand hold for turning the ratchet. The palm wheel can be released by depressing the button in the middle.

Usage [\[edit\]](#)

The ratchet wrench is compatible with the Cheater Bar

The ratchet wrench, Cheater Bar, and Torque Multiplier cannot be used in combination.

The palm wheel should be used for turns only; initial and final torques should be completed by using the ratchet handle. The palm wheel on the ratchet is limited to 30in-lb.^[1] Higher forces can

Tool Info



Alias	Ratchet
Part Number	B81639A-00007
Links	IMS
	Certification
	Drawing (NDC Credentials)
	CMC Imagery
Mass (lbs.)	2
Length (in.)	15.53
Width (in.)	3.5
Height (in.)	3.06



Meeting Minutes

Meeting References

EVA References

Applicable OCADs

Applicable Notes, Cautions, and Warnings

Group Meeting

EVA Ratchet Wrench palm wheel is only rated for 30 inch pounds. Fox training sessions to come soon.

Date: 6 May 2013

Meeting: EVA Group Meeting

Related articles: [EVA Ratchet Wrench](#), [Radiator V-Guide](#), [Fox](#)



Meeting Details

Meeting name

EVA Group Meeting

Meeting date

6

May

2013

Start time

14

: 30

(24-hour time, please)

Notes taken by

× Zebulon Scoville

Meeting Files

Add File

Meeting Topics

Group Meeting

EVA Ratchet Wrench, Radiator V-Guide, Fox

EVA Ratchet Wrench palm wheel is only rated for 30 inch pounds. Fox training sessions to come soon.

* Air handlers will be on 24 hours through this weekend. If it is worse after

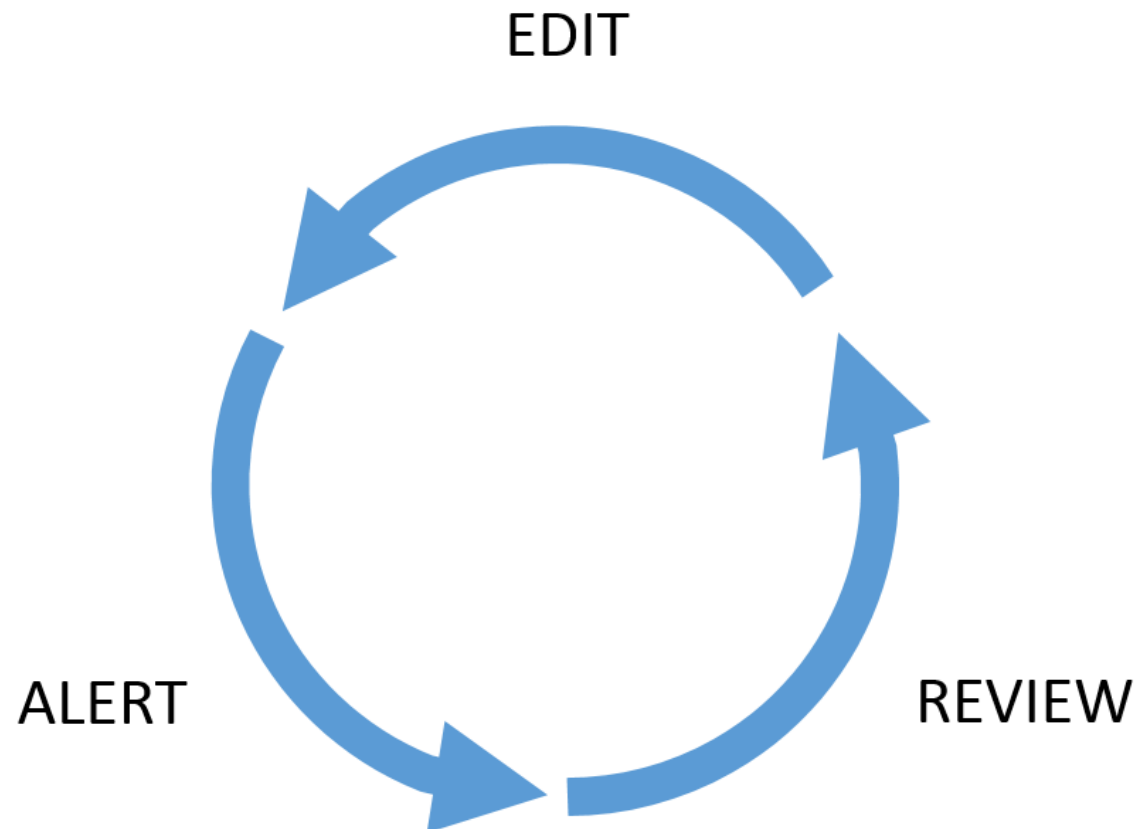


Double Standards

- How can you trust a wiki since anyone can edit?
 - Built-in revision control ensures nothing can be lost
 - Revisions have timestamps and track usernames
 - Notification system alerts “watchers”
- How can our data be secure with it being so easy to search?
 - We restrict access based on same criteria as other sources
 - Now the question is about which data do we really need to protect and from whom?

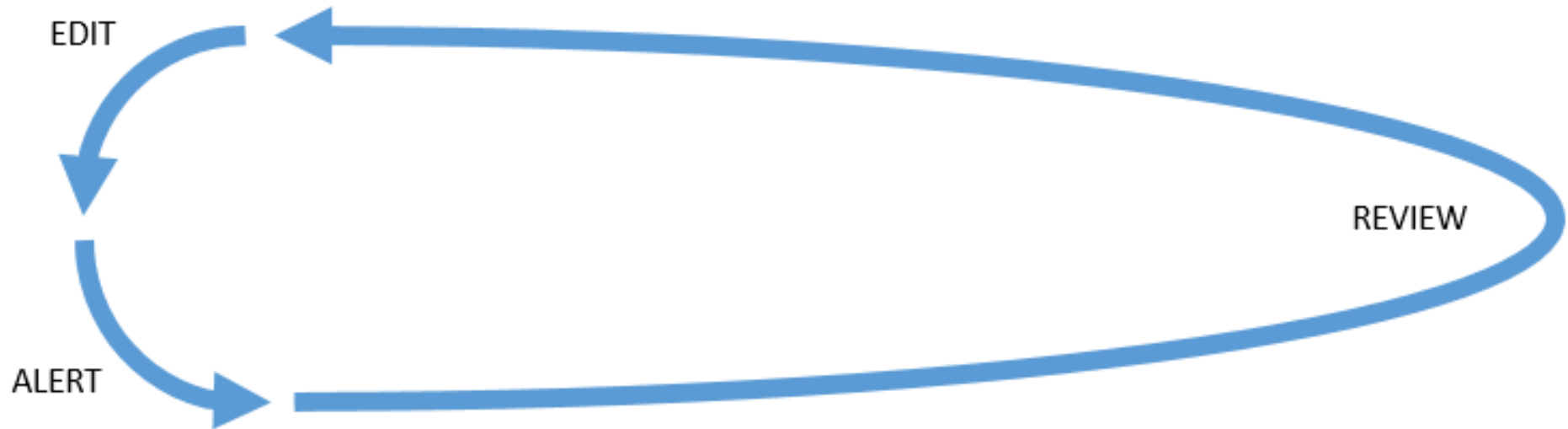


Edit – Alert – Review Loop



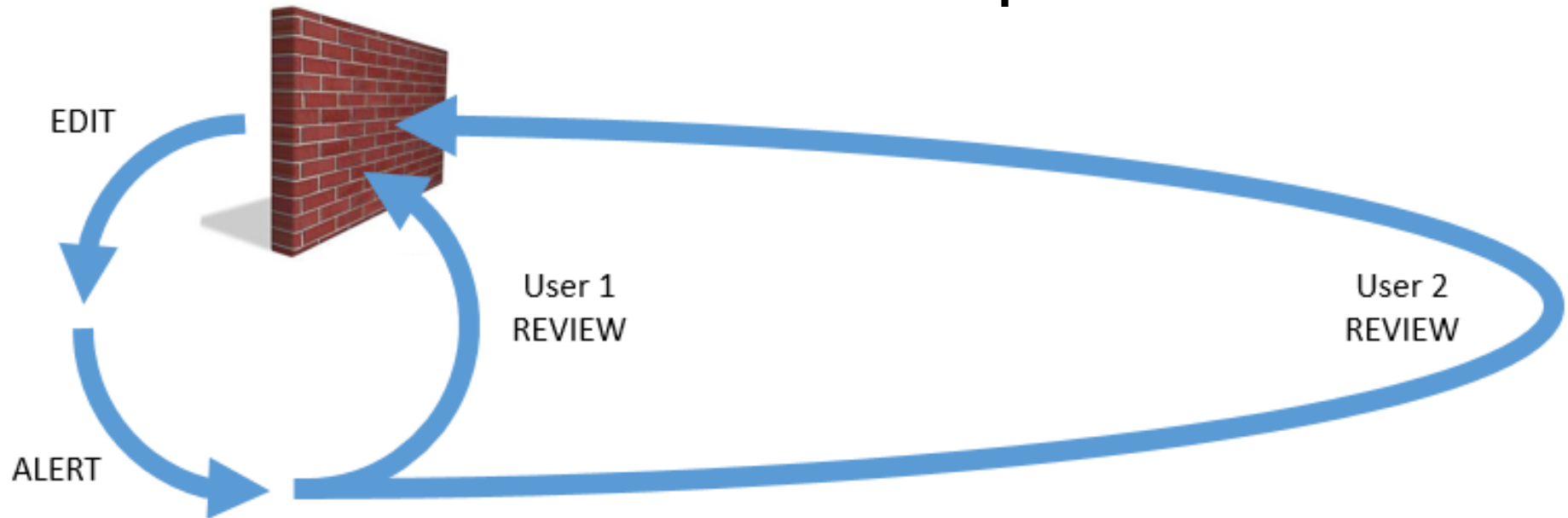


Edit – Alert – Review Loop





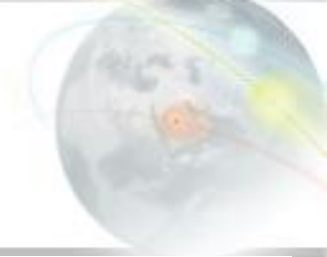
Blocked Loop





The Wiki Way





Special page



Pending reviews

You have 3 pending reviews.

Weekly Group Meeting - 2015/02/20

[Display 1 change since last visit](#)[view page history](#)

- 9 April [User:Joe](#) made an edit with summary: *Added some important information*

International Space Station

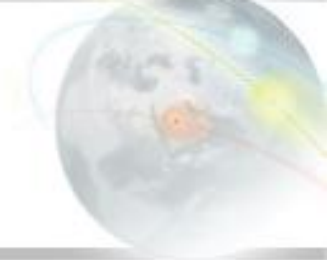
[Display 2 changes since last visit](#)[view page history](#)

- 2 April [User:Joe](#) made an edit **without a summary**
- 2 April [User:Jane](#) made an edit with summary: *Reverted edits by Joe (talk) to last revision by Bob*

Heat Exchanger

[Display 3 changes since last visit](#)[view page history](#)

- 13 April [User:Doris](#) approved a revision
- 14 April [User:Joe](#) made an edit **without a summary**
- 14 April [User:Joe](#) made an edit with summary: *Fixed installation procedure step 5*



Difference between revisions of "EVA Ratchet Wrench"

7.3

10

Revision as of 12:00, 20 August 2014 ([edit](#))

Balpert ([Talk](#) | [contribs](#) | [block](#))

(*updated weight*)

[← Older edit](#)

Latest revision as of 15:07, 8 October 2014 ([edit](#)) ([undo](#))

Ejmontal ([Talk](#) | [contribs](#) | [block](#)) [[rollback 1 edit](#)]

(*mostly grammatical; also, demo for BME*)

Line 18:

== Usage ==

- The ratchet wrench is compatible with the [\[\[Cheater Bar\]\]](#)

-

- **The** ratchet wrench, [\[\[Cheater Bar\]\]](#), and [\[\[Torque Multiplier\]\]](#) cannot be used in combination.

-

The palm wheel should be used for turns only; initial and final torques should be completed by using the ratchet handle.

Line 18:

== Usage ==

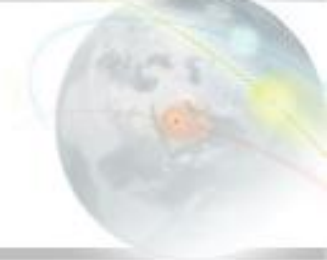
+ The ratchet wrench is compatible with the [\[\[Cheater Bar\]\]](#), **however the** ratchet wrench, [\[\[Cheater Bar\]\]](#), and [\[\[Torque Multiplier\]\]](#) cannot be used in combination.

+

+

+

The palm wheel should be used for turns only; initial and final torques should be completed by using the ratchet handle.



Revision history of "EVA Ratchet Wrench"

7.3 10

[View logs for this page](#)

Browse history

From year (and earlier): From month (and earlier): ☐ Deleted only

Diff selection: Mark the radio boxes of the revisions to compare and hit enter or the button at the bottom.

Legend: (**cur**) = difference with latest revision, (**prev**) = difference with preceding revision, **m** = minor edit.

- ☐ (cur | prev) ☒ 15:07, 8 October 2014 Ejmontal (Talk | contribs | block) .. (3,190 bytes) (+7) .. *(mostly grammatical; also, demo for BME)* (rollback | 1 edit | undo)
- ☐ (cur | prev) ☒ 12:00, 20 August 2014 Balpert (Talk | contribs | block) .. (3,183 bytes) (+39) .. *(updated weight)* (undo)
- ☐ (cur | prev) ☐ 12:33, 15 July 2014 Sway (Talk | contribs | block) .. (3,144 bytes) (0) .. *(→References)* (undo)
- ☐ (cur | prev) ☐ 12:33, 15 July 2014 Sway (Talk | contribs | block) .. (3,144 bytes) (+263) .. (undo)
- ☐ (cur | prev) ☐ 18:26, 2 July 2014 Ssjohns5 (Talk | contribs | block) .. (2,881 bytes) (+55) .. *(→Usage)* (undo)
- ☐ (cur | prev) ☐ 18:02, 18 June 2014 Ejmontal (Talk | contribs | block) **m** .. (2,826 bytes) (-20) .. *(Text replacement - "{{Applicable OCADs}}" to "")* (undo)
- ☐ (cur | prev) ☐ 16:25, 18 June 2014 Ejmontal (Talk | contribs | block) **m** .. (2,846 bytes) (-18) .. *(Text replacement - "{{Generic Footer}}" to "")* (undo)
- ☐ (cur | prev) ☐ 14:13, 25 July 2013 Sgeffert (Talk | contribs | block) .. (2,864 bytes) (0) .. *(→Limit Loads Per (GCAR 2081 Rev C))* (undo)
- ☐ (cur | prev) ☐ 13:57, 25 July 2013 Sgeffert (Talk | contribs | block) .. (2,864 bytes) (+93) .. *(→Limit Loads Per (GCAR 2081 Rev C))* (undo)
- ☐ (cur | prev) ☐ 13:45, 25 July 2013 Sgeffert (Talk | contribs | block) .. (2,771 bytes) (+230) .. *(→Limit Loads Per (GCAR 2081 Rev C))* (undo)
- ☐ (cur | prev) ☐ 13:34, 25 July 2013 Sgeffert (Talk | contribs | block) **m** .. (2,541 bytes) (+41) .. *(→Usage)* (undo)
- ☐ (cur | prev) ☐ 09:58, 22 May 2013 Sway (Talk | contribs | block) .. (2,500 bytes) (-2) .. *(added Mass of 2 lbs)* (undo)
- ☐ (cur | prev) ☐ 09:55, 22 May 2013 Sway (Talk | contribs | block) .. (2,502 bytes) (+1) .. *(→Anomalies)* (undo)
- ☐ (cur | prev) ☐ 20:14, 1 May 2013 Jkagey (Talk | contribs | block) .. (2,501 bytes) (+122) .. *(→Usage)* (undo)
- ☐ (cur | prev) ☐ 19:19, 1 May 2013 Jkagey (Talk | contribs | block) .. (2,379 bytes) (+279) .. *(→Usage)* (undo)
- ☐ (cur | prev) ☐ 19:05, 1 May 2013 Jkagey (Talk | contribs | block) .. (2,100 bytes) (+6) .. *(→Features)* (undo)
- ☐ (cur | prev) ☐ 16:37, 20 June 2012 Sway (Talk | contribs | block) .. (2,094 bytes) (-1) .. (undo)
- ☐ (cur | prev) ☐ 12:46, 6 June 2012 Sway (Talk | contribs | block) .. (2,095 bytes) (-4) .. (undo)
- ☐ (cur | prev) ☐ 12:46, 6 June 2012 Sway (Talk | contribs | block) .. (2,099 bytes) (+28) .. (undo)
- ☐ (cur | prev) ☐ 18:17, 31 May 2012 Lwelsh (Talk | contribs | block) .. (2,071 bytes) (+21) .. (undo)
- ☐ (cur | prev) ☐ 16:43, 23 April 2012 Lwelsh (Talk | contribs | block) .. (2,050 bytes) (+38) .. (undo)
- ☐ (cur | prev) ☐ 13:22, 19 April 2012 Lwelsh (Talk | contribs | block) .. (2,012 bytes) (+279) .. (undo)
- ☐ (cur | prev) ☐ 13:47, 5 April 2012 Lwelsh (Talk | contribs | block) .. (1,733 bytes) (+6) .. *(→ARs)* (undo)
- ☐ (cur | prev) ☐ 17:53, 3 April 2012 Lwelsh (Talk | contribs | block) .. (1,727 bytes) (+234) .. (undo)
- ☐ (cur | prev) ☐ 15:47, 3 April 2012 Lwelsh (Talk | contribs | block) .. (1,493 bytes) (+1,402) .. (undo)
- ☐ (cur | prev) ☐ 15:41, 27 March 2012 Lwelsh (Talk | contribs | block) **m** .. (91 bytes) (0) .. (undo)



Heat Exchanger

[Display 3 changes since last visit](#)[view page history](#)

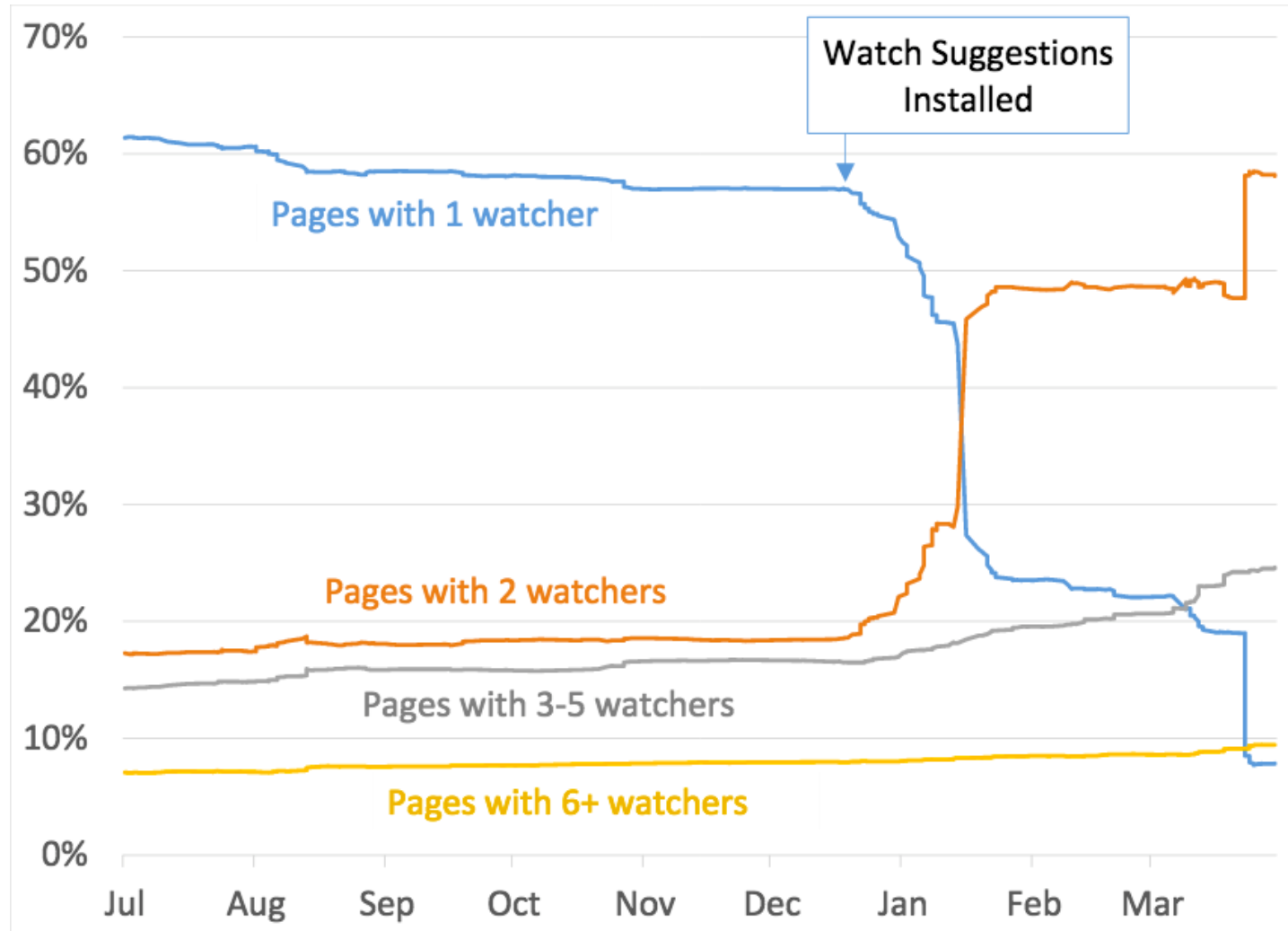
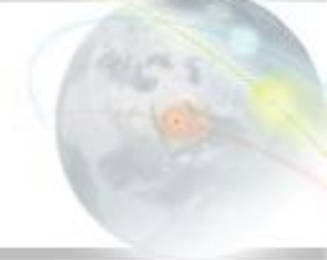
- 13 April [User:Doris](#) approved a revision
- 14 April [User:Joe](#) made an edit **without a summary**
- 14 April [User:Joe](#) made an edit with summary: *Fixed installation procedure step 5*

This wiki needs your help watching pages

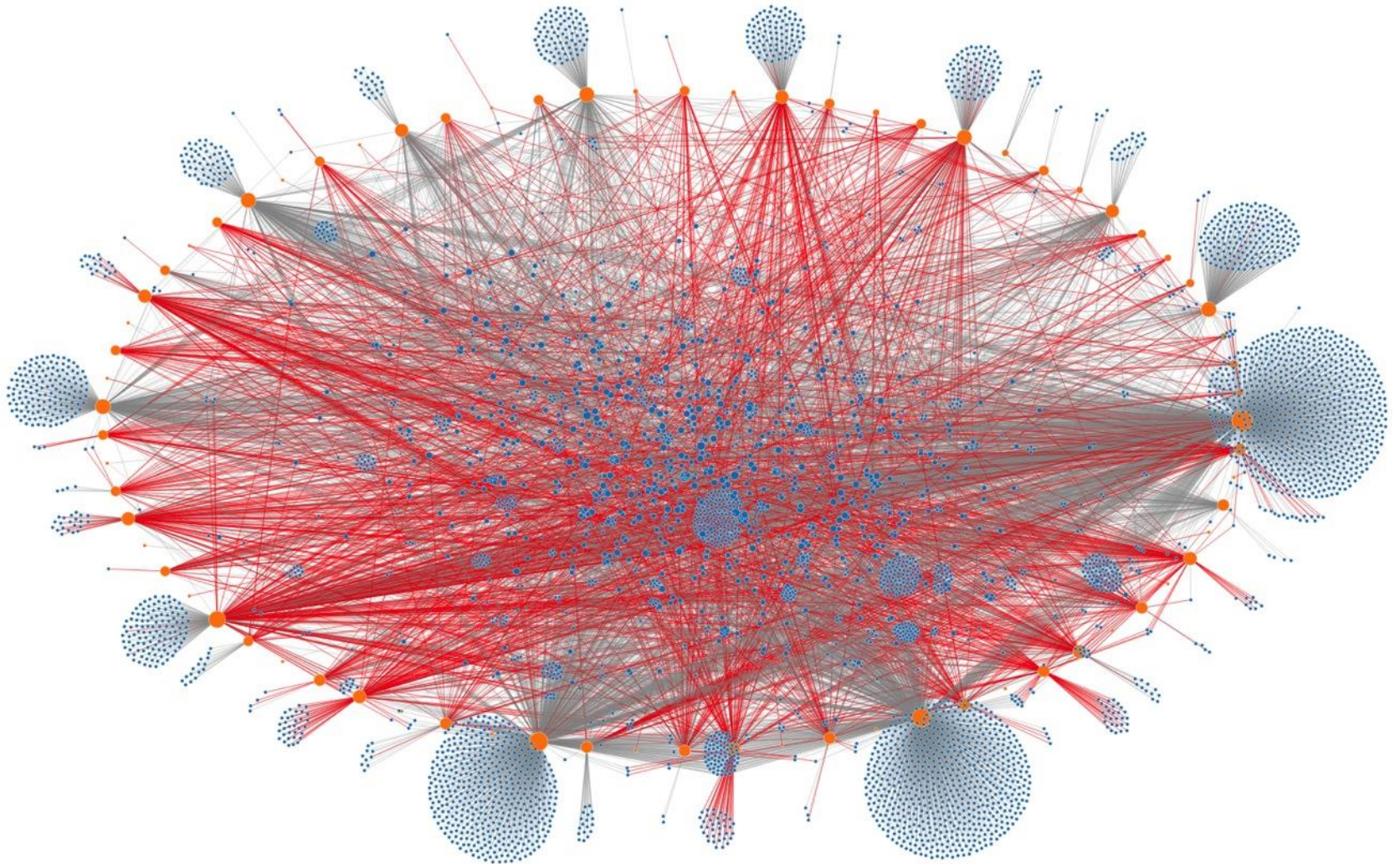
Few (if any) people are watching the pages below. They are related to other pages in your watchlist, and it'd real swell if you could help by watching some of them.

1. **Watch:** Manifest Dependencies
2. **Watch:** Johnson Space Center
3. **Watch:** Space Shuttle
4. **Watch:** Control Moment Gyroscope
5. **Watch:** EVA Skills 1
6. **Watch:** P1 ATA R&R
7. **Watch:** Expedition 2
8. **Watch:** 40S
9. **Watch:** Expedition 5
10. **Watch:** ISS OCAD 12345
11. **Watch:** 38S
12. **Watch:** Expedition 9
13. **Watch:** 6" Wobble Socket
14. **Watch:** Expedition 14
15. **Watch:** FGB
16. **Watch:** EVA Ratchet
17. **Watch:** 34S
18. **Watch:** EVA Hammer
19. **Watch:** Expedition 17
20. **Watch:** ISS Joint Airlock

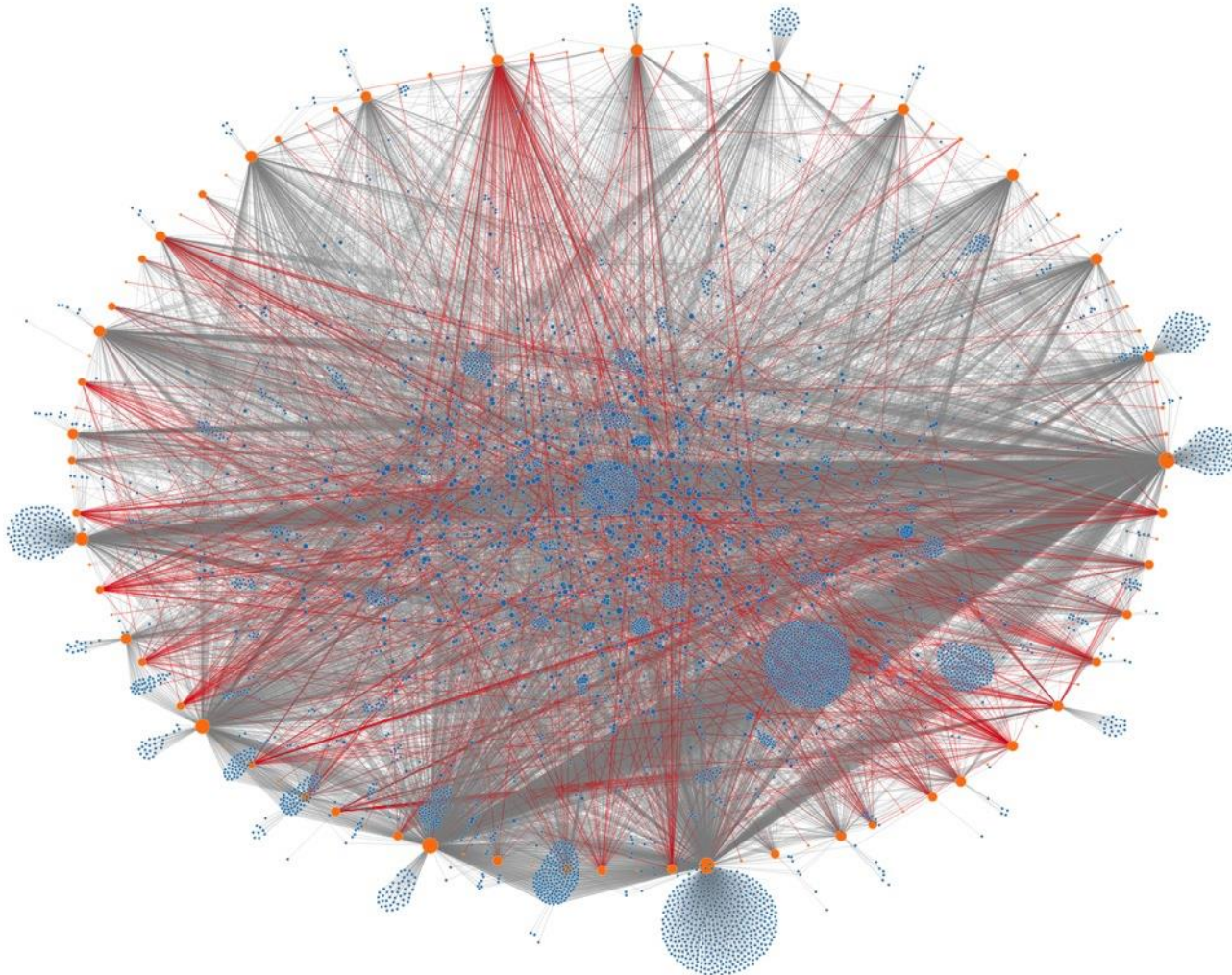
Technology Solution



Technology Solution



Technology Solution





EVA Ratchet Wrench

Scrutiny

7.2

Reviews

10

Tool Info

The EVA ratchet wrench is a 3/8" ratchet drive wrench compatible with the [drop proof tether system](#).



Lesson Learned 620

Scrutiny

1.8

Reviews

2

Contents [\[hide\]](#)

- 1 [Lesson Learned](#)
- 2 [Description](#)

Cabin Repress Scheduled During EMU Checkout

Lesson Learned #	620
------------------	-----

Future roadmap



- NASAWiki
- Project meza
- Offline sync
- Wikibase / Semantic citations
- Wiki Conversations

Contact Information



James Montalvo

Email: edwin.j.montalvo@nasa.gov

Phone: 281-483-7501

Daren Welsh

Email: lawrence.d.welsh@nasa.gov

Phone: 281-244-1058